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GLOSSARY OF TERMS RELATING TO SOWING, PLANTING, FERTILIZER AND MANURE APPLICATION EQUIPMENT

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GLOSSARY OF TERMS RELATING TO SOWING, PLANTING, FERTILIZER AND MANURE APPLICATION EQUIPMENT

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(*Continued on page* 2)

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GLOSSARY OF TERMS RELATING TO SOWING, PLANTING, FERTILIZER AND MANURE APPLICATION EQUIPMENT

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 27 April 1981, after the draft finalized by the Soil Working Equipment Sectional Committee had been approved by the Agricultural and Food Products Division Council.

0.2 With the increasing scope of farm mechanization, a large number of sowing, planting, fertilizer and manure application equipment are being designed, developed, manufactured and used in the country. The need was, therefore, felt for a comprehensive glossary which would provide authentic definitions of the terms used in respect of such equipment. It is hoped that this glossary would serve as a useful reference.

0.3 In preparation of this standard, assistance has been derived from the following:

ISO/TC 23/SC 1 N 59 (ISO DP 3339/IV) Agricultural and forestry tractors and machinery, classification — Terminology: Part IV Equipment for sowing and planting. International Organization for Standardization.

ISO/TC 23/SC 1 N 61 (ISO DP 3339/V) Agricultural and forestry tractors and machinery, classification — Terminology : Part V Equipment for applying plant nutrients. International Organization for Standardization.

BS 2468 : 1963 Glossary of terms relating to agricultural machinery and implements. British Standards Institution.

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1. SCOPE

1.1 This standard covers the definitions of the terms relating to sowing, planting, fertilizer and manure application equipment.

2. GENERAL TERMS

2.1 Bed Planting — Planting on elevated level beds, which are separated by furrows.

2.2 Broadcasting — The process of scattering of agricultural inputs, such as seed, fertilizer and manure on the surface of the soil.

2.3 Check-Row Planting — The process of planting in which row to row and plant to plant distances are uniform and plants across the rows are also in line.

2.4 Dibbling — The process of placing seeds in the holes made in a seed bed and covering them.

2.5 Drilling — The process of placing seeds in rows at uniform rate and at controlled depth with or without covering them with soil.

2.6 Fertilizing — Process of fertilizer application in or on the soil, or on the plants.

2.7 Furrow Planting — Planting in the bottom of furrows.

2.8 Hill Dropping — The process of placing seeds in small groups at regular intervals along straight parallel furrows and covering the seeds with soil, so as to get assurance that there will be at least one plant from each spot where the group of seeds are placed.

2.9 Manure Application — Process of spreading manure on the soil and in some cases mixing it with the soil.

2.10 No-Tillage Planting — Direct planting in essentially unprepared seed beds.

2.11 Precision Drilling — Uniform placing of seeds in rows at a predetermined depth and seed rate.

2.12 Ridge Planting — Planting on ridges.

2.13 Sowing — The process of placing seeds in seed bed.

2.14 Transplanting — The process of planting seedlings in prepared seed beds.

3. EQUIPMENT FOR SOWING

3.1 Boot — The part of the sowing machine which conveys seeds or fertilizer from the delivery tube to the furrow.

3.2 Covering Device — A device to refill a furrow after seeds have been placed in it.

3.3 Cut-Off Mechanism — A device which cuts off or brushes out excess seeds from the cells of a feed mechanism.

3.4 Feed Gate — An adjustable shutter to control the flow of material.

3.5 Fertilizer Attachment — A detachable device which is fitted to a seed drill to apply fertilizer at the time of sowing.

3.6 Furrow Opener — A part of seed drill for opening a furrow and assisting in placing of seeds.

3.6.1 *Double-Disc Furrow Opener* — A furrow opener consisting of two flat discs, set at an angle to each other.

3.6.2 *Hoe-Type Furrow Opener* — A furrow opener consisting of a single or double pointed shovel fastened to the lower part of the boot (*see* Fig. 1).

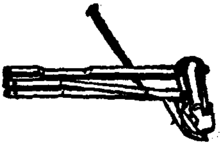

Fig. 1

3.6.3 *Shoe-Type Furrow Opener* — A furrow opener sledge shaped in elevation, with a V-shaped leading edge and hollow body through which seeds are dropped (*see* Fig. 2).

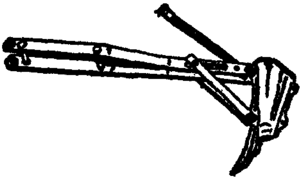

Fig. 2

3.6.4 *Single-Disc Furrow Opener* — A furrow opener consisting of one concave disc (*see* Fig. 3).

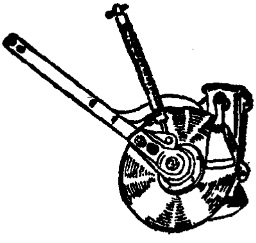

Fig. 3

3.6.5 *Stub Runner* — A furrow opener consisting of two tapered flat pieces of steel welded together, so as to form a narrow, V-shaped leading end and a hollow body into which seeds are dropped.

3.7 Metering Feed Mechanism — The mechanism of a seed drill, planter or fertilizer drill which delivers seeds or fertilizers from the hopper at selected rates.

3.7.1 *Agitator-Feed Mechanism* — A feed mechanism in which an agitator wheel maintains the flow of seed through an adjustable aperture (*see* Fig. 4).

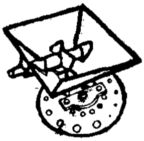

FIG. 4

3.7.2 *Auger-Feed Mechanism* — A feed and/or distributing mechanism consisting of an auger which causes a substance to flow evenly.

3.7.3 *Brush-Feed Mechanism* — A feed mechanism in which a rotating brush regulates the flow of seed from the hopper (*see* Fig. 5).

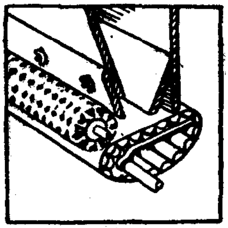

FIG. 5

3.7.4 *Cell-Feed Mechanism* — A feed mechanism in which seeds are collected and delivered by a series of equally spaced cells (aperatures or indentations) on the periphery of a circular plate or wheel (*see* Fig. 6).

3.7.5 *Cup-Feed Mechanism* — A feed mechanism consisting of cups or spoons on the periphery of a vertical rotating disc which picks up seeds from the hopper and delivers them into a seed tube (*see* Fig. 7).

3.7.6 *Fluted-Feed Roller* — A seed metering device with adjustable fluted roller to collect and deliver seeds into a seed tube (*see* Fig. 8).

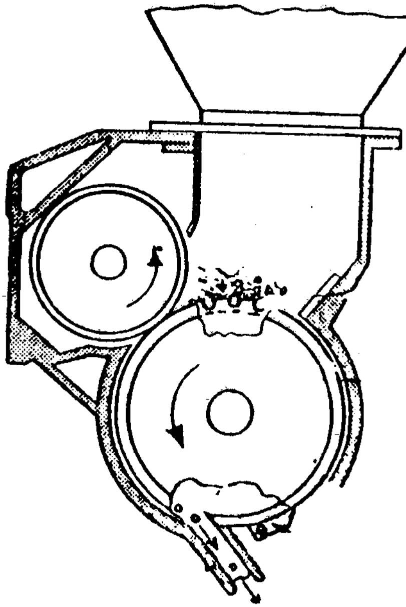

FIG. 6

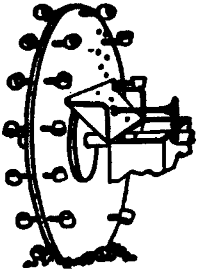

FIG. 7

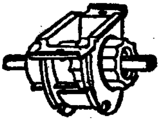

FIG. 8

3.7.7 *Internal Double Run* — A seed metering mechanism in which the feed wheel is provided with fine and coarse ribbed flanges (*see* Fig. 9).

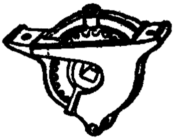

FIG. 9

3.7.8 *Knock-Out Mechanism* — A device which knocks out seeds from the cells or picker heads of the feed mechanism.

3.7.9 *Picker-Wheel Mechanism* — A feed mechanism for larger seeds like potato in which a vertical plate is provided with radially projected pick-up arms which lifts the seeds by means of jaws or pins and drops them by means of knock-out mechanism.

3.7.10 *Plate-Feed Mechanism* — A feed mechanism in which cells are provided on the periphery of a horizontal or slightly inclined plate (*see* Fig. 10).

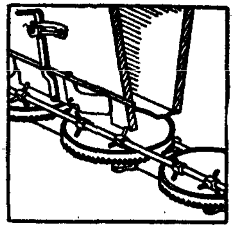

FIG. 10

3.7.11 *Seed-Tape Mechanism* — A feed mechanism which delivers a pre-prepared tape of bio-degradable material containing seeds at pre-determined intervals. Nutrients and/or crop protection chemicals may be incorporated in the tape.

3.7.12 *Star-Wheel Mechanism* — A feed mechanism consisting of a toothed wheel rotating in a horizontal plane and conveying the fertilizer through a feed gate below the star wheel (*see* Fig. 11).

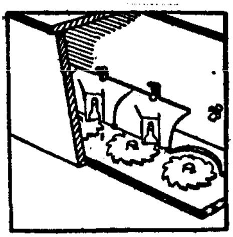

FIG. 11

3.7.13 *Studded-Roller Feed Mechanism* — A feed mechanism with series of rollers having regular peripheral projections which meter seeds from a seed hopper (*see* Fig. 12).

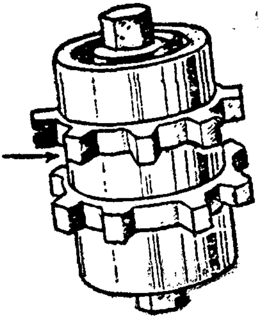

FIG. 12

3.8 Pressure Bar — A spring or weight loaded bar which assists in penetration of the furrow opener.

3.9 Press Wheel — A wheel which compacts the soil and covers seeds in the furrow.

3.10 Row Marker — An attachment to a sowing machine to mark a line on the field to guide the position of extreme furrow opener during the next trip.

3.11 Seeding Attachment — An attachment provided in a cultivator for sowing seeds.

3.12 Seed Broadcasting Machine — A device or machine used for broadcasting seeds.

3.13 Seeder — A device for placing seeds on or in the soil.

3.14 Seed Drill — A machine to place seeds at uniform rate at selected depth and row spacing (*see* Fig. 13).

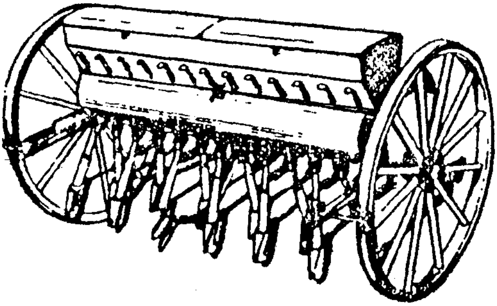

FIG. 13

3.14.1 *Agitator-Wheel Drill* — A seed drill the metering mechanism of which consists of agitator wheels. The seed rate is controlled mainly by varying the discharge apertures in the hopper base.

3.14.2 *Cell-Wheel Spacing Drill* — A spacing drill, the metering mechanism of which consists of a wheel with cells on its rim. The distance between seeds sown is controlled by varying the speed of rotation of the wheel or by selecting wheels with different cell spacings (*see* Fig. 14).

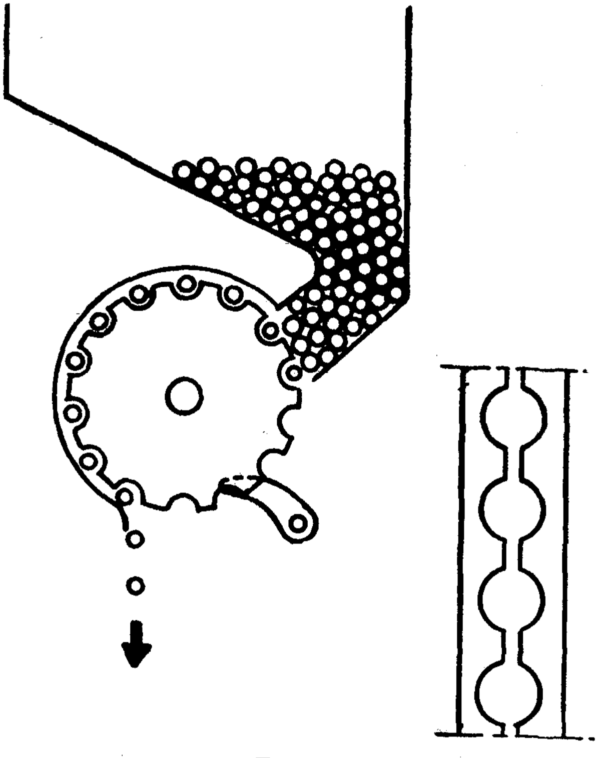

FIG. 14

3.14.3 *Centrifugal-Feed Drill* — A seed drill in which seeds are metered by centrifugal force.

3.14.4 *Cup-Feed Seed Drill* — A seed drill, the metering mechanism of which consists of discs fitted with cups on their periphery. The seed rate is controlled either by altering the size of the cups or by changing the speed of rotation of the discs.

3.14.5 *Disc-Selector Drill* — A spacing drill, the metering mechanism of which consists of a disc with notches mounted either vertically or inclined. A seed spacing is usually controlled by varying the speed at which the disc rotates or by selecting discs with different notch spacings (*see* Fig. 15).

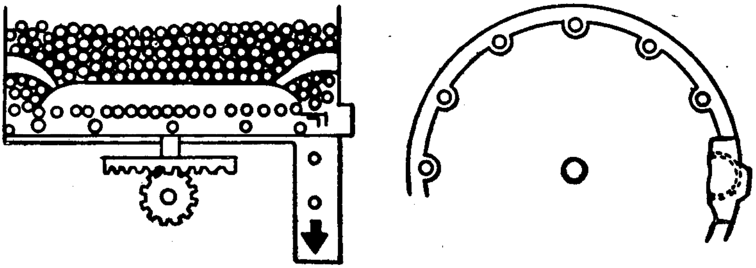

Fig. 15

3.14.6 *Force-Feed Drill* — A seed drill in which a positive metering mechanism comprises flutted rollers or internal double run wheels.

3.14.7 *Gravity-Feed Seeder* — A seeder in which the metering of seeds is done through gravity and positive metering is not possible.

3.14.8 *Pneumatic-Feed Drill* — A seed drill in which the metering of seeds is done by air stream at set spacing in continuous parallel rows.

3.14.9 *Pneumatic-Spacing Drill* — A spacing drill in which the placing of seeds is achieved pneumatically.

3.14.10 *Pneumatic-Spacing Drill with Blower* — A spacing drill in which distribution is effected by means of an air jet directed at the feed mechanism, which leaves only single seeds in the cells of the distributor mechanism. A seed spacing is usually controlled either by changing the speed of rotation or the spacing of the perforations of alternative seeding discs.

3.14.11 *Pneumatic-Spacing Drill with Perforated Discs* — A spacing drill in which the distribution is affected by providing a negative pressure to the metering mechanism which consists of a perforated disc. A seed spacing is usually controlled either by changing the speed of rotation of the disc, or by selecting discs into different hole spacings.

3.14.12 *Pneumatic-Spacing Drill with Perforated Drums* — A spacing drill in which distribution is affected by providing a negative pressure to the metering mechanism which consists of perforated drums. The seed spacing is usually controlled either by changing the speed of rotation of the drum, or by selecting drums into different hole spacings.

3.14.13 *Pneumatic-Spacing Drill with Perforated Rim* — A spacing drill in which distribution is effected by providing a negative pressure to the, metering mechanism which incorporates perforated rims. The seed spacing is usually controlled either by changing the speed of rotation or by altering the spacing of holes in the rim.

3.14.14 *Seed-cum-Fertilizer Drill* — A machine which drills seeds and fertilizer simultaneously in the same or different rows.

3.14.15 *Spacing (Precision) Drill* — A seed drill in which the metering mechanism distributes seeds singly or in groups at a set spacing in continuous parallel rows.

3.14.16 *Spacing-Drill with Perforated Belt* — A spacing drill in which the metering mechanism consists of a perforated belt. The spacings are adjusted by varying the belt speed or by selecting belts with differently spaced perforations (*see* Fig. 16).

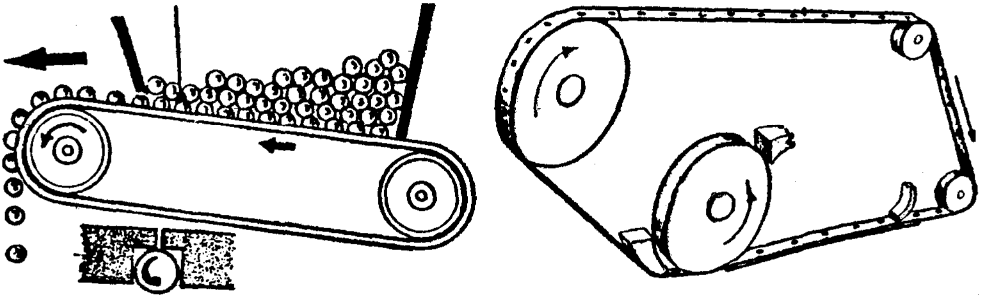

FIG. 16

3.14.17 *Studded-Roller Drill* — A seed drill, the metering mechanism of which consists of studded rollers. The seed rate is controlled by varying the speed of the rotating shaft.

3.15 Seed Tube — A tube which carries seeds from the metering device to the boot.

4. EQUIPMENT FOR PLANTING

4.1 Dibbler — A device used for dibbling.

4.2 Check Head — A device which by means of a check wire actuates the feed mechanisms of a check-row planter.

4.3 Check Wire — A wire or rope with equally spaced buttons or knots tied between two stalks at the ends of the field so as to actuate the check row planter.

4.4 Covering Body — A mouldboard or mouldboards which throw(s) a shallow ridge of soil over planted potatoes.

4.5 Covering Discs — Paired concave discs set to throw a shallow ridge of soil over planted potatoes.

4.6 Planter — A machine used for precision drilling, hill dropping or check-row planting.

4.6.1 *Maize Planter* — A machine for planting of maize seeds in the seed bed.

4.6.2 *Sugarcane Planter* — A machine used for planting sugarcane sets in the field.

4.6.3 *Tuber Planter* — A machine which deposits tubers in the soil in parallel rows and at a pre-determined spacing and depth, and subsequently cover them with soil.

4.6.3.1 *Automatic tuber planter* — A tuber planter with automatic feed mechanism, with or without hand or automatic compensator.

a) *Automatic tuber planter with a belt or vertical cup feed* — An automatic potato planter with a vertical flexible belt with cups mounted on it or a cup feed planter having one or several rows of cups per element.

b) *Automatic tuber planter with horizontal belts* — An automatic potato planter which selects potatoes on a horizontal strip formed by a row of sockets or two belts.

c) *Automatic tuber planter with clamp feed mechanism* — An automatic planter, the feed mechanism of which consists of a wheel fitted with automatically opening and shutting clamps which are held closed by spring pressure.

d) *Automatic tuber planter with spiked wheel feed mechanism* — An automatic planter, the feed mechanism of which consists of a wheel fitted with spikes which impale tubers to hold them until delivery.

4.6.3.2 *Combine tuber planter* — A machine to plant potatoes and apply fertilizer in one operation.

4.6.3.3 *Hand feed tuber planter* — A tuber planter, the planting element of which is fed by hand.

a) *Cup-feed tuber planter* — A manually-fed tuber planter, the planting element of which consists of cups mounted on an endless chain.

b) *Drop-tube tuber planter* — A manually-fed tuber planter, the planting element of which consists of a drop-tube (*see* Fig. 17).

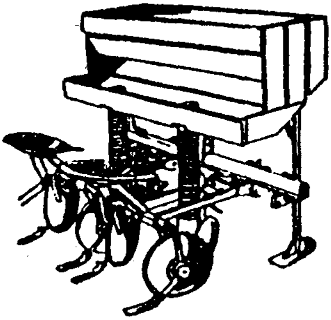

FIG. 17

c) *Notched-wheel tuber planter* — A manually-fed tuber planter, the planting element of which consists of a vertical spacing wheel with self-emptying indentations or cells.

5. EQUIPMENT FOR TRANSPLANTING

5.1 Transplanter — A machine which sets seedlings into the ground in rows. The spacing between the seedlings is adjustable (*see* Fig. 18).

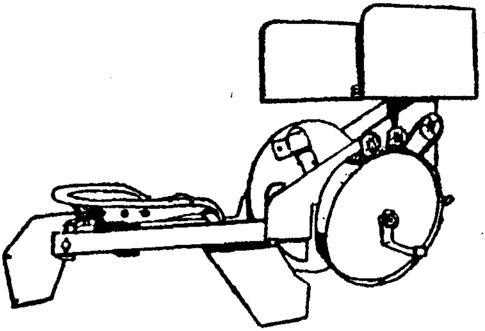

FIG. 18

5.1.1 *Clamp Type Transplanter* — A transplanter, the planting mechanism of which consists of plates which carry clamping devices to hold seedlings.

5.1.2 *Clamp with Disc Transplanter* — A transplanter with a clamp holder used in association with discs.

5.1.3 *Clamp with Tipping Share Transplanter* — A transplanter with a tipping share fitted with a clamp.

5.1.4 *Flexible Disc Transplanter* — A transplanter, the planting element of which consists of flexible discs.

6. EQUIPMENT FOR FERTILIZER APPLICATION

6.1 Agitator — A mechanism to agitate fertilizer in a hopper to prevent bridging.

6.2 Anhydrous Ammonia Applicator — A machine to apply ammonia in gaseous form at a specified pressure.

6.3 Distributing Mechanism — A device which helps in spreading fertilizer.

6.4 Feed Mechanism — A mechanism fcr discharging the fertilizer from hopper at predetermined rate.

6.4.1 *Agitator Feed Mechanism* — A feed or distributing mechanism or both consisting of an agitator or agitators which cause a substance to flow evenly (*see* Fig. 19).

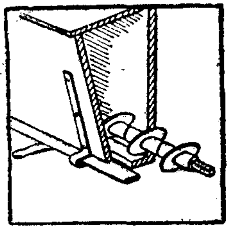

FIG. 19

6.4.2 *Conveyor and Brush Mechanism* — A feed mechanism incorporating an endless belt or chain which conveys fertilizer through a feed aperture to a distributing mechanism consisting of a rotating brush (*see* Fig. 20).

6.4.3 *Endless Chain Mechanism* — A combined feed and distributing mechanism consisting of an endless chain with slanting fingers travelling along the bottom of a hopper and pushing fertilizer under a feed gate (*see* Fig. 21).

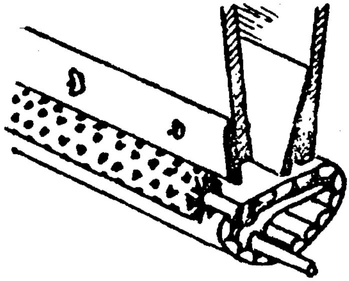

FIG. 20

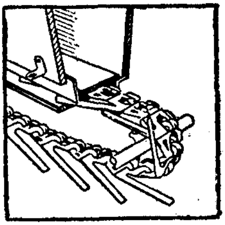

FIG. 21

6.4.4 *Plate-and-Flicker Mechanism* — A combination of a horizontal, rotating-plate feed mechanism and a rotating-flicker distributing mechanism (*see* Fig. 22).

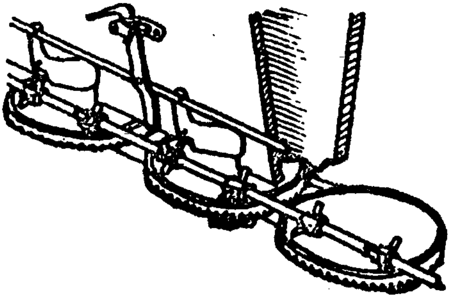

FIG. 22

6.4.5 *Reciprocating Plate Mechanism* — A combined feed and distributing mechanism at the base of a hopper consisting of a series of reciprocating superimposed slotted or perforated plates, each pair being separated by a fixed plate or other component (*see* Fig. 23).

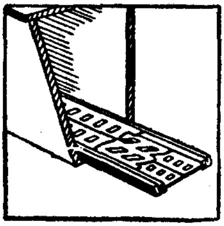

FIG. 23

6.4.6 *Roller Feed Mechanism* — A feed or distributing mechanism or both consisting essentially of a fluted or plain roller at the base of a hopper (*see* Fig. 24).

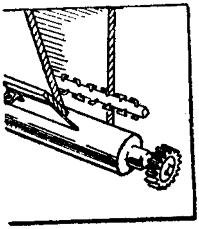

FIG. 24

6.4.7 *Star Wheel Mechanism* — A feed mechanism consisting of a series of toothed wheels rotating in a horizontal plane in the base of a hopper, each conveying fertilizer under a feed gate (*see* Fig. 25).

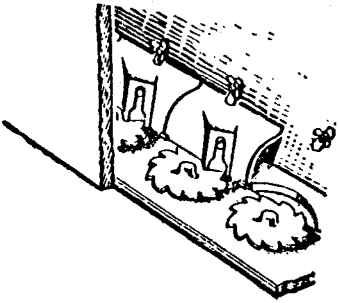

FIG. 25

6.5 Fertilizer Broadcaster — A fertilizer distributor with a spreading width substantially greater than the width of the machine (*see* Fig. 26).

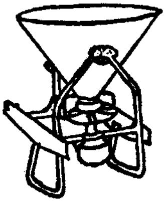

FIG. 26

6.6 Fertilizer Distributor — A machine which distributes fertilizer at regulated and selected rates.

6.6.1 *Agitator Feed Distributor* — A gravity feed fertilizer distributor whose discharge mechanism pushes or directs the fertilizer through fixed slots and consists of a shaft fitted with obliquely mounted agitator plates, discs, etc.

6.6.2 *Centrifugal Distributor* — A fertilizer distributor for solid fertilizers in which the fertilizer is broadcasted by centrifugal force.

6.6.3 *Endless Belt and Brush Delivery Distributor* — A gravity fertilizer distributor in which the floor of the hopper consists of an endless conveyor belt.

6.6.4 *Endless Chain Distributor* — A gravity feed fertilizer distributors fitted with an endless chain running transversely to the direction of travel across the bottom of the hopper. The chain is provided with obliquely mounted fingers, the ends of which push the fertilizer through a slot which extends across the width of the hopper.

6.6.5 *Full Width Distributor* — A fertilizer distributor in which the fertilizer falls to the ground across the entire width of the spreader (*see* Fig. 27).

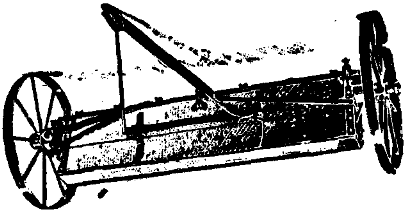

Fig. 27

6.6.6 *Gravity-Feed Distributor* — A gravity feed fertilizer distributor fitted with a mechanical distribution mechanism which provides a width of spread greater than the width of the hopper.

6.6.7 *Oscillating Spout Distributor* — A centrifugal fertilizer distributor in which the broadcasting mechanism consists of at least one oscillating spout.

6.6.8 *Plate and Flicker Type Distributor* — A gravity feed fertilizer distributor in which fertilizer is flicked from plates mounted horizontally below the bottom of the hopper by means of a rotating shaft fitted with fingers.

6.6.9 *Pneumatic Distributor* — A fertilizer distributor in which the fertilizer is transported either to a distributor mechanism or directly to the soil surface by pneumatic means.

6.6.10 *Reciprocating Plate Distributor* — A gravity feed fertilizer distributor whose discharge mechanism consists of reciprocating plates in the base of the hopper.

6.6.11 *Roller Feed Fertilizer Distributor* — A gravity feed fertilizer distributor whose discharge mechanism consists of a rotating roller mounted transversely to the direction of travel and at the base of the hopper.

6.6.12 *Rotating Disc(s) Distributor* — A fertilizer distributor in which the centrifugal broadcasting mechanism consists of at least one rotating disc.

6.6.13 *Star-Wheel Distributor* — A gravity feed fertilizer distributor in which the fertilizer is discharged by means of notched discs (star wheels) through adjustable slots.

6.6.14 *Studded-Cylinder Distributor* — A gravity feed fertilizer distributor in which fertilizer is discharged from a hopper by a cylinder fitted with studs.

6.7 Fertilizer Drill — A machine to deposit fertilizer in soil at regulated and selected rates and at pre-determined depth.

6.8 Fertilizer Gun — A machine to throw a jet of fertilizer by mechanical, pneumatic or other means, usually fitted to the side of the machine.

6.9 Gaseous Fertilizer Distributor — A machine for applying mineral fertilizer in gaseous form which injects the fertilizer under pressure into the ground (*see* Fig. 28).

6.10 Lime Spreader — A machine of large hopper capacity able to distribute heavy dressings of lime and similar materials at selected rates on the surface of the soil.

6.11 Liquid Fertilizer Distributor — A machine for applying mineral fertilizer in liquid form which either spreads the fertilizer on the surface of the ground or injects it into the soil.

6.12 Ridge Fertilizer Attachment — A series of baffles fitted to a fertilizer distributor to direct fertilizer between the ridges.

6.13 Solid Mineral Fertilizer Application Equipment — A machine which distributes solid mineral fertilizers in predetermined quantities.

7. EQUIPMENT FOR ORGANIC MANURE APPLICATION

7.1 Farmyard Manure Spreader — A machine to carry farmyard manure and spread it in a regulated quantity.

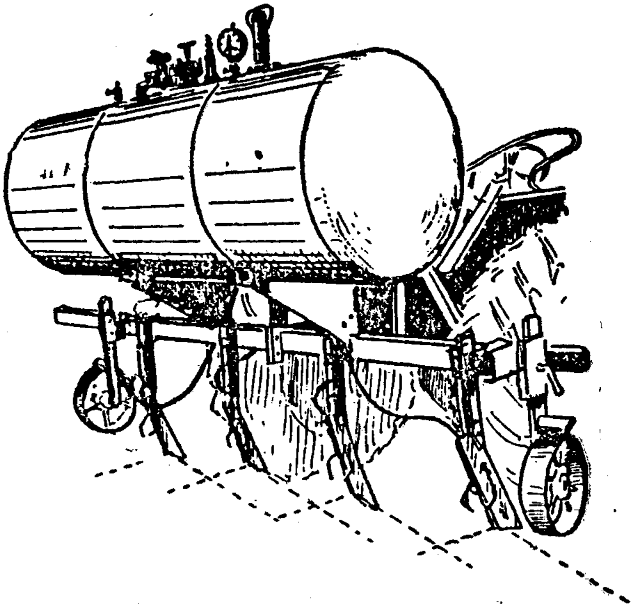

FIG. 28

7.1.1 *Beater Type Spreader* — A manure spreader using a fixed non-adjustable mechanically driven spreading unit (*see* Fig. 29).

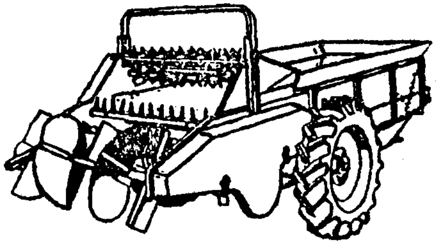

FIG. 29

7.1.2 *Field-Heap Spreader* — A manure spreader for spreading heaps arranged in rows (*see* Fig. 30).

7.1.3 *Liquid Manure Spreader* — A machine for transporting and spreading liquid manure on the soil or injecting it into the soil.

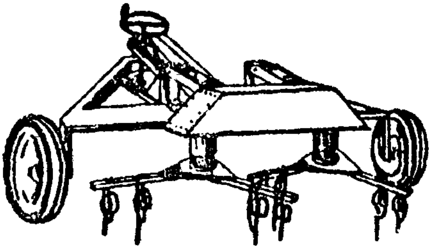

FIG. 30

7.2 Spreading Rotor — A rotating auger, disc, or series of toothed or paddle shaped blades at the rear of a manure spreader, which spreads the manure.

INDIAN STANDARDS
ON
SOIL WORKING EQUIPMENT

IS :	
1976-1976	Rotary paddy weeders (*second revision*).
2192 (Part I)-1976	Animal drawn mouldboard plough : Part I Turnwrest type (*first revision*)
2192 (Part II)-1976	Animal drawn mouldboard plough : Part II Fixed type (*first revision*)
2564-1979	Blade harrow, *GUNTAKA* type (*first revision*)
2565-1979	Ridger, animal drawn (*first revision*)
3185-1965	'V' blade hand hoe
3292-1965	Three tined hand hoe, fixed type
3293-1965	Levelling *KARAHA* (*KENI*), animal drawn
3301-1965	Green manure trampler, animal drawn
3310-1965	Single row cotton seed drill, animal drawn
3342-1979	Animal drawn cultivator (*first revision*)
3360-1965	Soil scoop
3363-1965	Harrow *PATELA*
3369-1965	Puddler, animal drawn
3372-1965	Bund former
3467-1966	Wheel hand hoe
3606-1972	Disc harrow, animal drawn (*first revision*)
4366 (Part I)-1972	Agricultural tillage discs : Part I Concave type (*first revision*)
4366 (Part II)-1972	Agricultural tillage discs : Part II Flat type (*first revision*)
6023-1970	Reversible shovel
6288-1971	Test code for mouldboard ploughs
6316-1971	Test code for seed-cum-fertilizer drill
6327-1971	One way animal drawn mouldboard plough shares
6451-1972	Sweep
6459-1972	Two-way animal drawn mouldboard plough shares
6635-1972	Tractor operated disc harrow
6638-1972	Tractor-mounted spring loaded cultivators
6813-1973	Seed-cum-fertilizer drills
6816 (Part I)-1973	Fluted feed roller type seed metering mechanism : Part I Seed feed rollers
6816 (Part II)-1973	Fluted feed roller type seed metering mechanism : Part II Seed feed cut-off
6816 (Part III)-1973	Fluted feed roller type seed metering mechanism : Part III Retaining ring and cover
6816 (Part IV)-1973	Fluted feed roller type seed metering mechanism : Part IV Seed feed cup
6817 (Part I)-1973	Plate type seed metering mechanism : Part I Seed plates
6817 (Part II)-1973	Plate type seed metering mechanism : Part II Seed feed roller
7015-1972	Glossary of terms relating to farm implements and machinery
7230-1974	Plain spool for tractor operated disc harrows
7256-1974	Plain spool for animal driven disc harrows
7353-1974	Blade for tractor operated terracer
7361-1974	Tines for animal-driven cultivators
7565 (Part I)-1975	Tines for tractor-operated cultivators : Part I Rigid tines
7640-1975	Test code for disc harrows
7926-1975	Classification of soil for testing of agricultural machinery
7927-1975	Method of field testing for manually operated paddy weeder
8781-1978	Single row jute seed drills manually operated
9218-1979	Triangular shovels for animal drawn cultivators
9219-1979	Seeding attachment for animal driven cultivators
9217-1979	Test code for agricultural discs
9813-1981	Tractor-mounted blade terracers
9818 (Part I)-1981	Glossary of terms relating to tillage and intercultivation equipment : Part I General terms
9818 (Part II)-1981	Glossary of terms relating to tillage and intercultivation equipment : Part II Terms relating to equipment